

Release Notes, QuickBooks SDK 16.0 (11/03/2022)

Welcome to the QuickBooks Software Development Kit (SDK) Version 16.0.

IMPORTANT

This software is designed for use with US and Canadian edition of QuickBooks 2023(R3 and above). In addition, selected features of this software can be used with US editions of QuickBooks 2002, through QuickBooks 2022 and certain Canadian and UK editions of QuickBooks (2008 and later). However, you cannot currently install and use QuickBooks for different countries on the same machine.

Release Note History

In order to see what changed, especially which field values, enums, and QBFC-related items changed from release to release, you need to take a look at the Release Notes for the periods you are interested in. Release Notes from SDK 3.0 to the current release can be found at the IPP website.

Table of Contents

- “What’s New in SDK 16.0?”
- “A Note About Credit Card Numbers in QB 2008 and Later”
- “QuickBooks 2011 Multi-Instance Implications with the SDK”
- “Request/Field-Level Detail Of New and Changed Features”
- “Changes Impacting QBFC Integrations”
- “Bugs Fixed in This Release”
- “Known Bugs and Workarounds”
- “New or Modified Files of Interest”
- “Installation Instructions”
- “Importing the Correct Library”
- “About Redistributing QBXMLRP2”
- “Creating Applications that Can Run on 64-Bit Operating Systems”
- “Documentation”
- “Tools”
- “Samples”
- “Using Payroll Reports”
- “Deprecation Policy”

- “System Requirements”
- “QuickBooks Products and qbXML/QBFC Support”
- “If You Have Questions . . .”

What’s New in SDK 16.0?

Overview

Here is what’s new:

- Introduced support for expiration dates along with serial and lot numbers for QuickBooks Desktop SDK integrations in QuickBooks Desktop US 2023 version 3.
Note: Users won’t be able to update expiration dates of existing serial/lot numbers via the SDK. It’ll only be possible from the Desktop app UI along with the consent to change the expiration date for all existing transactions with that serial/lot number.
- Introduced the support to view bill transaction status as posting or non-posting in QuickBooks Desktop US 2023 version 3.
- Added support for Payroll Form 1099-MISC boxes - BOX1, BOX2, BOX3, BOX4, BOX5, BOX6, BOX7, BOX8, BOX9, BOX10, BOX 11, BOX14, BOX16. This will be supported for all versions of QuickBooks Desktop.
- Introduced view-only mode in QuickBooks Desktop US 2023 version 3 for users who cancel their subscription or whose subscription expires. SDK integrations won’t work in view-only mode.
SDK_E_APP_NOT_SUPPORTED_IN_READONLY_MODE error code will be returned with the message “The application trying to connect to QuickBooks is not supported in view-only mode.”

A Note About Credit Card Numbers in QB 2008 and Later

Due to requirements of the payment card industry, QuickBooks 2008 and later will mask all credit card data returned from SDK requests. All responses that return credit card information will return only masked numbers, even in a customer query, when invoked against QuickBooks 2008 and later.

QuickBooks 2011 Multi-Instance Implications with the SDK

Multi-Instance is available only in QuickBooks Accountant 2011, QuickBooks Enterprise Solutions Accountant 11.0, QuickBooks Enterprise Solutions 11.0 editions and newer editions of these versions. Multi-Instance does not allow the same QuickBooks file to be open concurrently, it allows for two different QuickBooks files to be opened. The following features are not available in second instance: QuickBooks Messenger, payroll. The following features are unavailable in both instances: unlocking or purchasing additional features/seats, TurboTax integration, Intuit Data Services setup, applications that use the Intuit Software Development Kit (SDK) to communicate with QuickBooks. The following features are available in one of the two instances: multi-user mode, file hosting, QuickBooks Help and Live Community. Other features not listed above are impacted and additional restrictions apply in either the first instance, second instance or both instances; See <https://accountants.intuit.com/accounting/quickbooks/multi-instance-restrictions/> for a list of restrictions.

Request/Field-Level Detail of New and Changed Features

The following table lists the changed behavior and/or fields for each SDK request, with corresponding changes to the response/ret objects:

Object	Operation	Changes
Bill	Add/Mod	Added Expiration Date for Serial Number or Lot Number
Bill	Ret	Added Expiration Date for Serial Number or Lot Number Added Transaction status as Posting or Non Posting(or draft)
BuildAssembly	Add/Mod	Added Expiration Date for Serial Number or Lot Number
BuildAssembly	Ret	Added Expiration Date for Serial Number or Lot Number
Check	Add/Mod	Added Expiration Date for Serial Number or Lot Number
Check	Ret	Added Expiration Date for Serial Number or Lot Number Added Transaction status as Posting or Non Posting(or draft)
CrediCardCharge	Add/Mod	Added Expiration Date for Serial Number or Lot Number
CrediCardCharge	Ret	Added Expiration Date for Serial Number or Lot Number
CreditCardCredit	Ret	Added Expiration Date for Serial Number or Lot Number
InventoryAdjustment	Add/Mod	Added Expiration Date for Serial Number or Lot Number
InventoryAdjustment	Ret	Added Expiration Date for Serial Number or Lot Number
Invoice	Ret	Added Expiration Date for Serial Number or Lot Number
ItemReceipt	Add/Mod	Added Expiration Date for Serial Number or Lot Number
ItemReceipt	Ret	Added Expiration Date for Serial Number or Lot Number
Preferences	Ret	Added IsInventoryExpirationDateEnabled
SalesOrder	Ret	Added Expiration Date for Serial Number or Lot Number
SalesReceipt	Ret	Added Expiration Date for Serial Number or Lot Number
VendorCredit	Ret	Added Expiration Date for Serial Number or Lot Number
TransferInventory	Ret	Added Expiration Date for Serial Number or Lot Number
CreditMemo	Ret	Added Expiration Date for Serial Number or Lot Number
Form1099Category AccountMapping	Mod	Added Box 11 to mapping category Mapping of Box 13 is now Box 14. Mapping of Box 14 is now Box 15. Mapping of Box 15 is now Box 16.
Form1099Category AccountMapping	Ret	Added Box 11 to mapping category Mapping of Box 13 is now Box 14. Mapping of Box 14 is now Box 15. Mapping of Box 15 is now Box 16.

Changes Impacting QBFC Integrations

There are known changes that will break existing applications recompiled with QBFC16:

- The BillAdd has been changed in QBFC16:
Expiration Date has been added as an element which adds expiry date details for Serial number or Lot number.
- The BillMod has been changed in QBFC16:
Expiration Date has been added as an element which adds expiry date details for Serial number or Lot number.
- The BillRet has been changed in QBFC16:
Expiration Date has been added as an element which provides expiry date details for Serial number or

IsPending has been added as an element which indicate bill is posted or non posted(/draft).
- The BuildAssemblyAdd has been changed in QBFC16:
Expiration Date has been added as an element which adds expiry date details for Serial number or Lot number.
- The BuildAssemblyMod has been changed in QBFC16:
Expiration Date has been added as an element which adds expiry date details for Serial number or Lot number.
- The BuildAssemblyRet has been changed in QBFC16:
Expiration Date has been added as an element which provides expiry date details for Serial number or Lot number.
- The CheckAdd has been changed in QBFC16:
Expiration Date has been added as an element which adds expiry date details for Serial number or Lot number.
- The CheckMod has been changed in QBFC16:
Expiration Date has been added as an element which adds expiry date details for Serial number or Lot number.
- The CheckRet has been changed in QBFC16:
Expiration Date has been added as an element which provides expiry date details for Serial number or Lot number.
IsPending has been added as an element which indicate bill is posted or non posted(/draft).
- The CrediCardChargeAdd has been changed in QBFC16:
Expiration Date has been added as an element which adds expiry date details for Serial number or Lot number.
- The CrediCardChargeMod has been changed in QBFC16:
Expiration Date has been added as an element which adds expiry date details for Serial number or Lot number.
- The CrediCardChargeRet has been changed in QBFC16:
Expiration Date has been added as an element which provides expiry date details for Serial number or Lot number.

- The CreditCardCreditRet has been changed in QBFC16:
Expiration Date has been added as an element which provides expiry date details for Serial number or Lot number.
- The InventoryAdjustmentAdd has been changed in QBFC16:
Expiration Date has been added as an element which adds expiry date details for Serial number or Lot number.
- The InventoryAdjustmentMod has been changed in QBFC16:
Expiration Date has been added as an element which adds expiry date details for Serial number or Lot number.
- The InventoryAdjustmentRet has been changed in QBFC16:
Expiration Date has been added as an element which provides expiry date details for Serial number or Lot number.
- The InvoiceRet has been changed in QBFC16:
Expiration Date has been added as an element which provides expiry date details for Serial number or Lot number.
- The ItemReceiptAdd has been changed in QBFC16:
Expiration Date has been added as an element which adds expiry date details for Serial number or Lot number.
- The ItemReceiptMod has been changed in QBFC16:
Expiration Date has been added as an element which adds expiry date details for Serial number or Lot number.
- The ItemReceiptRet has been changed in QBFC16:
Expiration Date has been added as an element which provides expiry date details for Serial number or Lot number.
- The PreferencesRet has been changed in QBFC16:
Inventory Expiration Date Enabled has been added as an element which indicates expiry date is enabled for Serial number or Lot number.
- The SalesOrderRet has been changed in QBFC16:
Expiration Date has been added as an element which provides expiry date details for Serial number or Lot number.
- The SalesReceiptRet has been changed in QBFC16:
Expiration Date has been added as an element which provides expiry date details for Serial number or Lot number.
- The VendorCreditRet has been changed in QBFC16:
Expiration Date has been added as an element which provides expiry date details for Serial number or Lot number.
- The TransferInventoryRet has been changed in QBFC16:
Expiration Date has been added as an element which provides expiry date details for Serial number or Lot number.
- The CreditMemoRet has been changed in QBFC16:
Expiration Date has been added as an element which provides expiry date details for Serial number or Lot number.

- The Form1099CategoryAccountMappingMod has been changed in QBFC16:
BOX11 has been added to the ENUM values of MappingCategory.BOX13, BOX14, BOX15 is replaced by BOX14, BOX15, BOX6
- The Form1099CategoryAccountMappingRet has been changed in QBFC16:
BOX11 has been added to the ENUM values of MappingCategory.BOX13, BOX14, BOX15 is replaced by BOX14, BOX15, BOX6

Note: Users won't be able to update expiration dates of existing serial/lot numbers via the SDK. It'll only be possible from the Desktop app UI along with the consent to change the expiration date for all existing transactions with that serial/lot number.

Bugs Fixed in This Release

The following table lists the bug fixes by the SDK request.

SDK Request	Bug and nature of Fix
Passing a different currency transaction with every sales order in Sales Receipt	<p>Bug: While creating a Sales Receipt in QuickBooks with account currency different from the currency of the previously posted Sales Receipt using SDK, customers get this error "The currency of the account must be either in-home currency or the transaction currency". To resolve the issue, customers need to go to QuickBooks and manually change the currency of the default Account selected as per the last posted transaction.</p> <p>Solution: As part of the analysis, we found that during the SDK execution the Customer information is parsed first and at this time the Account information is not yet parsed, and the System takes the last selected Account into consideration which causes the issue to occur.</p> <p>In order to resolve the issue, the Parsing and setting logic for the Deposit account has been moved before the setting of customer details which allows the customer deposit account currency to be matched with the currency of the Account which is already set.</p>

Known Bugs and Workarounds

The following table documents known behavior quirks as well as known issues and any workarounds for them.

Issue	Workaound
ItemSalesTaxRef node in CustomerAdd is not supported for Canada edition - QBW059046	
In the sample \samples\qbdt\cpp\qbxml\hostquery, you may get a build failure when you try to build the sample, due to a problem with the Interop.QbxmlRP2 reference.	If you get this error, simply go to the project properties, click on the .Net tab and remove the reference to Interop.QBXMLRP2. Re-add the reference to it and rebuild the hostquery sample. It should build properly.
If you use qbXML rather than QBFC, notice that the new 7.0 request AccountTaxLineInfoQuery does not work if issued in the following XML format: <AccountTaxLineInfoQueryRq> </AccountTaxLineInfoQueryRq>	Use this format instead: <AccountTaxLineInfoQueryRq /> QBFC7 does use the above format, so you won't need to worry about this issue if you use QBFC.
For international QuickBooks 2008 and 2009 versions, it is not possible ItemSalesTaxAdd or ItemSalesTaxGroupAdd	
Adding menu items (ui extension events) to QB when using Vista	After you subscribe your menu extension events and register them as documented, you need to run QB using "Run As Administrator." This only has to be done ONCE, after running QB as admin once, your menu items will continue to show up and menu events will be received by your event handler without running QB as admin.
A CustomerQuery may contain different results (sort order) when run against QB 2008 and greater than the same query running against QB 2007 and earlier. This difference in sort order may be observed if you use MaxReturned set to a numeric value or if the query response contains the ampersand character & or apostrophe ' in the <name> field.	
In the Microsoft Vista OS, the path c:\documents and settings\all users\ used in Windows XP is translated to the path c:\users\public\. If a company file in QuickBooks is opened on Vista with the path "c:\documents and settings\all users..." and that filename is also specified with the same path in an SDK integrated application, the SDK response says that QuickBooks is already open with a different file. As per the following: "-2147220470 A QuickBooks company data file is already open and it is different from the one requested."	

Issue	Workaround
<p>Developers may be accustomed to using the common file open dialog to allow the user to browse to a file (for example, the select a company file dialog in SDKTestPlus3.exe)</p> <p>Unfortunately, Microsoft changed the behavior of this dialog in Vista so it actually attempts to OPEN the file before returning control to the app that called it.</p> <p>The result is that if QB has the file open (or, more accurately, the QB database server has the file open) you get an error from the dialog that the file is locked and you cannot use it.</p>	<p>Here is how to handle this:</p> <ol style="list-style-type: none"> 1. In the application's first connection do a BeginSession and invoke GetCurrentFilename and save it away for future use, or display to the user, or whatever. 2. In all subsequent connections invoke BeginSession using that stored company file name. If the application gets an error that it cannot open the file, invoke BeginSession again, invoke GetCurrentFilename, compare against the stored file name and ask user about it if they don't match.
<p>During installation of QB SDK on a system without QuickBooks installed you may encounter this error during the execution of dotnetfxSp1.exe:</p> <p>"The upgrade patch cannot be installed by the Windows Installer service because the program to be upgraded may be missing, or the upgrade patch may update a different version of the program. Verify that the program to be upgraded exists on your computer and that you have the correct upgrade patch."</p>	<p>To solve this, install .NET from the Microsoft web site and retry the installation.</p>
<p>During SDK installation, you may see a message informing you that the UI and eBay sample could not be installed.</p>	<p>You can safely ignore and dismiss this message as it has no effect and the installation will proceed successfully.</p>
<p>In a VehicleMileageQuery, if you specify time values (for example, 2002-06-05T10:21:10) in any of the date range filters, you get a statuscode error 3020 statusSeverity="Error" statusMessage="There was an error when converting the date value..."</p>	<p>The reason for this is that Vehicle Mileage supports only Date values, not DateTime values, despite what the OSR says. The workaround is to use only date values, as follows: 2002-06-05.</p>
<p>If you use DeliveryPolicy in both a DataEventSubscription and a UIEventSubscription, you could set one to DeliverAlways and the other to DeliverOnlyIfRunning. In that case, QB will cache your application's COM pointer if the first event for this application in a company file session is associated with the DeliverAlways policy.</p>	
<p>If a user installs a copy of Convertible QuickBooks 2006 or greater but does not select one of the available editions (Premier, Accountant, Contractor edition, etc), and an SDK application is subsequently started, QuickBooks will prompt the user to select an edition. The application's call to BeginSession will fail while QuickBooks is being configured for the selected edition.</p>	<p>The workaround is to have the user finish the process of selecting the desired edition and then restart the SDK application.</p>
<p>QuickBooks Canada does not return values stored in the Company Data Extension fields. The bug affects QuickBooks Canada versions 2004 through 2007 and may affect QuickBooks UK versions 2004 through 2006.</p>	

Issue	Workaround
The order of some columns in reports may be different in QuickBooks 2008 than they were for older versions of QuickBooks.	This is not a bug, just a heads-up: the SDK documentation has always warned about assuming any column order.
QuickBooks caches the latest Refnumber for each transaction type. If you try to save a transaction using the default Refnumber from the UI, the UI will warn you if someone else already saved transaction with the same refnumber and give you the opportunity to change it to the new latest Refnumber. In the SDK, it simply gets used and you wind up with two transactions with the same refnumber	
In QuickBooks Simple Start edition, it is possible for an SDK application to create a subitem for a given item. It is not possible to do this in the UI, because the UI for creating items does not allow a subitem to be specified. You should avoid doing this in your application when running against Simple Start.	
If QuickBooks Verify is running and an SDK application issues a request, the request will not complete until the verify finishes.	
If QuickBooks 2007 and later is running non hosted, SDK applications starting QuickBooks in DoNotCare mode will open QuickBooks in single-user mode.	
Users won't be able to update expiration dates of existing serial/lot numbers via the SDK. It'll only be possible from the Desktop app UI along with the consent to change the expiration date for all existing transactions with that serial/lot number.	

New or Modified Files of Interest

This release includes documentation, tools, and samples. The following files and directories may be of particular interest to you:

- This release includes .NET Primary Interop Assemblies (PIAs) for QBXMLRP2, QBFC16 and QBFC15. These assemblies are included in the redistributable installers and merge modules for each library. If you have previously built a local interop assembly for use with your .NET integrations, please be sure to update them to use the primary interop assemblies included with this release instead. QBFC15, QBFC14, QBFC13, QBFC12, QBFC11, QBFC10, QBFC8, QBFC7, QBFC6, QBFC5, QBFC4, QBFC3, and QBFC2.1 are available at <https://developer.intuit.com/app/developer/qbdesktop/docs/get-started/older-versions-of-the-desktop-sdk>
- *doc\qbxmls160.xml* and *doc\qbxmls160.xml*
The sample files containing all qbXML requests/responses, and their SignonMsgs requests and responses.

All samples require the QBXMLRP2 Request Processor, QuickBooks, and the QuickBooks sample product-based company file. Samples new in this release may require the latest QuickBooks version (currently QuickBooks 2023). The QBXMLRP2 Request Processor is installed automatically by QuickBooks 2023.

Installation Instructions

IMPORTANT

During SDK installation, if the eBay SDK has previously been installed on your system, the SDK installer may report a failure registering ebay.SDK.tlb. This error can safely be ignored and the installation will proceed normally.

To install the SDK using the installer, execute *QBSDK160.exe* (for 32 bit) or *QBSDK160_x64.exe* (for 64 bit). The installer also adds a menu (*Start>Programs>Intuit SDKs>QuickBooks SDK 16.0>*) that provides convenient access to SDK tools, samples, and documentation. You can also access the qbXML Validator and qbXML Test applications through the "Send To" context menu for files.

Installing on a System that Doesn't Have QuickBooks

During installation of QB SDK on a system without QuickBooks installed you may encounter this error during the execution of dotnetfxSp1.exe:

“The upgrade patch cannot be installed by the Windows Installer service because the program to be upgraded may be missing, or the upgrade patch may update a different version of the program. Verify that the program to be upgraded exists on your computer and that you have the correct upgrade patch.”

To solve this, install .NET from the Microsoft web site and retry the installation.

Importing the Correct Library

For Visual C++ applications (if you are not using the QBFC Library), you need to import the library named *qbxmlrp2.dll*, which is installed in *C:\Program Files\Common Files\Intuit\QuickBooks*. For Visual Basic applications, select Project > References from within your VB project. Find “QBXMLRP2 1.0 Type Library” in the list and check the box next to it, then click OK. If you don't find the entry in the list, you can browse to it.

About Redistributing QBXMLRP2

Previous to SDK 7.0, we recommended redistributing QBXMLRP2. Beginning with SDK 7.0, we recommend that you do NOT redistribute QBXMLRP2 *except* in the following two cases:

- Your application needs to support QuickBooks versions older than QB 2004.
- Your application runs against versions of QuickBooks older than QB 2005 but needs certain advanced features of the request processor, such as AuthFlags.

If either of these apply to your case, you can redistribute QBXMLRP2 by manually including the merge module QBXMLRP2.msm or QBXMLRP2PIA.msm (for .Net applications)

Creating Applications that Can Run on 64-Bit Operating Systems

If you want your SDK application to run on a 64-bit machine, and are using Visual Studio to develop it, you must have the compiler options set properly. In particular, you must set the Platform Target to x86.

This has caused some developers problems, because the default setting if you simply create a new project is “Any CPU”, which is a setting that has prevented some developer applications from running on 64-bit OS.

Documentation

This release updates the QuickBooks Web Connector Programmer’s Guide, which describes how to develop web services that work with the QuickBooks web connector. The other documents are updated versions of previous documents: the QB SDK Programmer’s Guide is a comprehensive treatment of QB SDK programming, and the Technical Overview provides a high level overview of the functionality provided in SDK. All documents are available in PDF.

Tools

The **qbXML Validator** tool contains new functionality that allows you to verify qbXML requests that correspond to these combinations:

- qbXML 16.0, 15.0, 14.0, 13.0, 12.0, 11.0, 10.0, 9.0, 8.0, 7.0, 6.0, 5.0, 4.1, 4.0, 3.0, 2.1, 2.0, 1.1, 1.0 for U.S. editions of QuickBooks and 2008-current UK and Canadian Editions
- qbXML 9.0, 8.0, 7.0, 6.0 for 2008 - Newer UK and Canadian Editions using U.S. setting
- qbmsXML 3.0 for QuickBooks Merchant Service
- qbXML CA3.0 and CA2.0 for Canadian editions of QuickBooks (2004-2007 CA)
- qbXML UK3.0 and UK2.0 for UK editions of QuickBooks (2004-2006 UK)

The Validator is installed automatically as part of the SDK installation.

The file *tools\SDKTest\SDKTestPlus3.exe* is an enhanced version of SDKTest that uses QBXMLRP2 and allows the user to control every aspect of the connection to QuickBooks and can be used to send XML request files to QuickBooks. It supports sending subscription request XML as well as data integration XML. The source code for this tool is in *samples\qbd\vb\qbxml\SDKTestPlus3*.

The file *tools\SubscriptionManager\SubView.exe* is a tool for viewing and removing application subscriptions from QuickBooks.

Samples

The Samples directory contains a *readme.html* (which can be accessed from *Start>Programs>Intuit SDKs>QuickBooks SDK X.0 > Samples*). This file lists each sample and provides links to open the project directory, the project itself, and the executable form of the application.

The SDK installer verifies that the MSXML4.0SP2 or greater API from Microsoft is installed on your system. If MSXML is not present, the SDK installer will install it for you. This API is used by the SDK's Validator tool and several samples.

Some samples require .NET 2.0. This can be downloaded from the Microsoft website.

New Samples

A new sample, MCInvoiceAdd, has been added to show the use of the new multicurrency feature. It is located in your SDK install subdirectory *QBSDK15.0\samples\qbd\c- sharp\qbXML*.

Downloading MSXML 6.0

If you want to run the sample applications on a system that does not have MSXML installed (for example, if you want to use Remote Data Sharing from a system that does not have the SDK installed), you will need to install MSXML. In addition, if your application is dependent on MSXML Core Services, you will need to redistribute that software in your installer. The MSXML Core Services software is available from [Microsoft](#)

Building the C++ Samples

The `#import "qbxmlrp2.dll"` statement in the C++ samples allows these applications to use the COM interface supported by the QuickBooks SDK. This statement will cause an error when you are building the samples in Microsoft Visual Studio if the Include path is not set to include the location of this DLL. The DLL is installed with QuickBooks and resides in

the QuickBooks common directory, currently defined as *C:\Program Files\Common Files\Intuit\QuickBooks*. Add this directory to the Include path by choosing the Tools menu, Options command, and the Directories tab in Visual Studio.

UIandEventTest Samples

In order to build the EventHandler C++ sample, you will need to specify the QuickBooks executable path for the sample project. The method for doing this is different for Visual Studio 6.0 and Visual Studio .NET.

For Visual Studio 6.0, select "Options" from the "Tools" menu. Select the "Directories" tab and then select "Executable Files". Add the QuickBooks executable path to the list of directories here.

For Visual Studio .NET, select "Properties" from the "Project" menu. Under the "C/C++" options, select "General" and add the QuickBooks executable path to the "Additional Include Directories". Under the "MIDL" options, also select "General" and add the QB path to "Additional Include Directories".

All of these C++ samples also use *QBXMLRP2.DLL* in the QuickBooks "common" directory. The project files currently specify this path as *C:\Program Files\Common Files\Intuit\QuickBooks*. If this path is different on your machine, you will need to change it in the project files.

Known Problems in VB Sample Applications

The Visual Basic sample applications allow you to view a response from QuickBooks. If you try to view a response that is greater than 32K, you will receive an "Out of memory" error. This happens because the VB sample applications use a TextBox control, which has a 32K limit, rather than a RichTextBox control. In a Windows 98 or Windows Me environment, this can corrupt memory, and the application might not terminate properly.

There is a known issue (not related to qbXML) with the AddReceivePayment sample application. The MS Visual Studio application must be installed before you can run AddReceivePayment, or you will receive the following error message when you run the application: "Class not registered. You need the following file to be installed on your machine. MSSTDFMT.DLL."

Using Payroll Reports

If your application is accessing a company file that is currently signed up for a subscription to a payroll service, you can generate payroll reports and query PayrollNonWageItems.

To test this feature, you can use one of Intuit's sample company files (even though it will not be signed up for a subscription to a payroll service). Please be aware that QuickBooks will record an artificial creation date to any test data that you add to a sample company file.

Deprecation Policy

You may notice that some items in the OSR are marked as deprecated. Deprecated items supported for the release in which they are deprecated, in the next major release they will be removed from the spec and their functionality will not be available.

System Requirements

The system requirements for the QuickBooks SDK are the same as those for the version of QuickBooks that is running.

QuickBooks Products and qbXML/QBFC Support

The following table of QuickBooks versions and supported qbXML and QBFC versions takes precedence over any other such tables in QB SDK documentation.

The following table lists the different versions of QuickBooks and the corresponding versions of the qbXML specifications that support them. *Note:* QuickBooks Mac, QuickBooks Basic, UK Simple Start edition, UK regular editions, and the Canadian QuickBooks Easy Start Edition do not support the SDK. (For UK, use QuickBooks Pro and QuickBooks Accountant.)

Version of QuickBooks	qbXML Specification Version
QuickBooks 2023(R3 and above) QuickBooks 2022(R6 and above)	16.0,15.0,14.0,13.0,12.0,11.0, 10.0,9. 0, 8.0,7.0 , 6.0, 5.0, 4.1, 4.0,3.0,2.1,2.0, 1.1,1.0

Version of QuickBooks	qbXML Specification Version
QuickBooks 2021(R11 and above) QuickBooks 2020(R16 and above)	16.0,14.0,13.0,12.0,11.0,10.0,9.0,8.0,7.0,6.0,5.0,4.1,4.0,3.0,2.1,2.0,1.1,1.0
QuickBooks 2018(R16 and above) and Enterprise 18.0 QuickBooks 2019(R14 and above) and Enterprise 19.0 QuickBooks 2020(R10 and above) and Enterprise 20.0 QuickBooks 2021(R4 and above) and Enterprise 21.0 (Using QBXMLRP2)	14.0,13.0,12.0,11.0,10.0,9.0,8.0,7.0,6.0,5.0,4.1,4.0,3.0,2.1,2.0,1.1,1.0
QuickBooks 2014 and Enterprise 14.0 (Using QBXMLRP2) through QuickBooks 2018(R15 and below) and Ent 18.0 QuickBooks 2019(R13 and below) and Ent 19.0 QB 2020(R9 and below) and Ent 20.0 QB 2021(R3 and below) and Ent 21.0	13.0,12.0,11.0,10.0,9.0,8.0,7.0,6.0,5.0,4.1,4.0,3.0,2.1,2.0,1.1,1.0
QuickBooks 2013 and Enterprise 13.0 (Using QBXMLRP2)	12.0,11.0,10.0,9.0,8.0,7.0,6.0,5.0,4.1,4.0,3.0,2.1,2.0,1.1,1.0
QuickBooks 2012 and Enterprise 12.0 (Using QBXMLRP2)	11.0,10.0,9.0,8.0,7.0,6.0,5.0,4.1,4.0,3.0,2.1,2.0,1.1,1.0
QuickBooks 2011 and Enterprise 11.0 (Using QBXMLRP2)	10.0,9.0,8.0,7.0,6.0,5.0,4.1,4.0,3.0,2.1,2.0,1.1,1.0
QuickBooks 2010 and Enterprise 10.0 (Using QBXMLRP2)	9.0,8.0,7.0,6.0,5.0,4.1,4.0,3.0,2.1,2.0,1.1,1.0
QuickBooks 2009 and Enterprise 9.0 (Using QBXMLRP2)	8.0,7.0,6.0,5.0,4.1,4.0,3.0,2.1,2.0,1.1,1.0
QuickBooks 2008 and Enterprise 8.0 (Using QBXMLRP2)	7.0,6.0,5.0,4.1,4.0,3.0,2.1,2.0,1.1,1.0
QuickBooks 2007 and Enterprise 7.0 (Using QBXMLRP2)	6.0,5.0,4.1,4.0,3.0,2.1,2.0,1.1,1.0
QuickBooks 2006 and Enterprise 6.0 (Using QBXMLRP2)	5.0,4.1,4.0,3.0,2.1,2.0,1.1,1.0
QuickBooks 2005 and Enterprise 5.0 (R5 and later) (using QBXMLRP2)	4.1,4.0,3.0,2.1,2.0,1.1,1.0
QuickBooks 2005 (and Enterprise 5.0) (using QBXMLRP2)	4.0,3.0,2.1,2.0,1.1,1.0
QuickBooks 2004 (and Enterprise 4.0) (using QBXMLRP2)	3.0,2.1,2.0,1.1,1.0
QuickBooks 2003, Enterprise 3.0* (R7 and above) and all later versions of QuickBooks using QBXMLRP	2.1,2.0,1.1,1.0
QuickBooks 2003 and Enterprise 2.0*	2.0,1.1,1.0
QuickBooks 2002 (R2 and above) and Enterprise*	1.1,1.0
QuickBooks 2002 (R1)*	1.0
QuickBooks 2023(R3 and above) Canadian	16.0,15.0,14.0,13.0,12.0,11.0,10.0,9.0,8.0,7.0,6.0,5.0,4.1,4.0,3.0,2.1,2.0,1.1,1.0
QuickBooks 2018(R16 and above) Canadian QuickBooks 2019(R14 and above) Canadian QuickBooks 2020(R10 and above) Canadian QuickBooks 2021(R4 and above) Canadian	14.0,13.0,12.0,11.0,10.0,9.0,8.0,7.0,6.0,5.0,4.1,4.0,3.0,2.1,2.0,1.1,1.0
QuickBooks 2014 Canadian through QuickBooks 2018(R15 and below) Canadian QuickBooks 2019(R13 and below) Canadian	13.0,12.0,11.0,10.0,9.0,8.0,7.0,6.0,5.0,4.1,4.0,3.0,2.1,2.0,1.1,1.0

QB 2020(R9 and below) Canadian	
QB 2021(R3 and below) Canadian	
QuickBooks 2013 Canadian	12.0,11.0, 10.0, 9.0, 8.0,
	7.0, 6.0, 5.0, 4.1 4.0, 3.0,
	2.1, 2.0, 1.1, 1.0
QuickBooks 2012 Canadian	11.0, 10.0, 9.0, 8.0, 7.0,
	6.0, 5.0, 4.1 4.0, 3.0, 2.1,
	2.0, 1.1, 1.0
QuickBooks 2011 Canadian	9.0, 8.0,7.0, 6.0, 5.0, 4.1
	4.0, 3.0, 2.1, 2.0, 1.1, 1.0
QuickBooks 2010 Canadian	8.0,7.0, 6.0, 5.0, 4.1 4.0,
	3.0, 2.1, 2.0, 1.1, 1.0
QuickBooks 2008-2009 Canadian	6.0
QuickBooks 2022(R1 and above) UK	15.0,14.0,13.0,12.0,11.0,10.0,9.0, 8.0,7.0, 6.0,5.0,4.1,4.0,3.0,2.1,2.0, 1.1,1.0
QuickBooks 2018(R16 and above) UK QuickBooks 2019(R14 and above) UK QuickBooks 2020(R10 and above) UK QuickBooks 2021(R4 and above) UK	14.0,13.0,12.0,11.0,10.0,9.0, 8.0,7.0, 6.0,5.0, 4.1,4.0,3.0,2.1,2.0, 1.1,1.0
QuickBooks 2014 UK through QuickBooks 2018(R15 and below) UK QuickBooks 2019(R13 and below) UK QB 2020(R9 and below) UK QB 2021(R3 and below) UK	13.0, 12.0, 11.0, 10.0, 9.0, 8.0, 7.0, 6.0, 5.0, 4.1 4.0, 3.0, 2.1, 2.0, 1.1, 1.0
QuickBooks 2013 UK	12.0, 11.0, 10.0, 9.0, 8.0, 7.0, 6.0, 5.0, 4.1 4.0, 3.0, 2.1, 2.0, 1.1, 1.0
QuickBooks 2012 UK	11.0, 10.0, 9.0, 8.0, 7.0, 6.0, 5.0, 4.1 4.0, 3.0, 2.1, 2.0, 1.1, 1.0
QuickBooks 2010 UK	8.0,7.0, 6.0, 5.0, 4.1 4.0, 3.0, 2.1, 2.0, 1.1, 1.0
QuickBooks 2008-2009 UK	6.0
QuickBooks 2004-2007 Canadian (using QBXMLRP2)	CA3.0, CA2.0
QuickBooks 2004-2006 UK Editions (using QBXMLRP2)	UK3.0, UK2.0
QuickBooks 2003, Canadian and UK Editions, CA2.0. UK2.0)* and all later versions of these through QuickBooks 2006	CA2.0. UK2.0
*Earlier releases of QuickBooks will work with either version of the Request Processor (QBXMLRP2 or QBXMLRP). We recommend you upgrade existing applications to use QBXMLRP2. SDK 3.0 and greater features are available only with QBXMLRP2; in addition, this Request Processor solves some problems found in the older Request Processor.	

The following table lists the different versions of the QuickBooks Foundation Class (QBFC) Library and the versions of the qbXML specification that support them.

<i>QBFC Library</i>	<i>qbXML Specification Version</i>
QBFC16	16.0,15.0,14.0,13.0,12.0,11.0,10.0,9.0,8.0,7.0,6.0,5.0,4.1,4.0,3.0,2.1,2.0,1.1,1.0 Does NOT support: CA3.0,CA2.0,UK3.0,UK2.0
QBFC15	15.0,14.0,13.0,12.0,11.0,10.0,9.0,8.0,7.0,6.0,5.0,4.1,4.0,3.0,2.1,2.0,1.1,1.0 Does NOT support: CA3.0,CA2.0,UK3.0,UK2.0
QBFC14	14.0,13.0,12.0,11.0,10.0,9.0,8.0,7.0,6.0,5.0,4.1,4.0,3.0,2.1,2.0,1.1,1.0 Does NOT support: CA3.0,CA2.0,UK3.0,UK2.0
QBFC13	13.0,12.0,11.0,10.0,9.0,8.0,7.0,6.0,5.0,4.1,4.0,3.0,2.1,2.0,1.1,1.0 Does NOT support: CA3.0,CA2.0,UK3.0,UK2.0
QBFC12	12.0,11.0,10.0,9.0,8.0,7.0,6.0,5.0,4.1,4.0,3.0,2.1,2.0,1.1,1.0 Does NOT support: CA3.0,CA2.0,UK3.0,UK2.0

QBFC11	11.0,10.0,9.0,8.0,7.0,6.0,5.0,4.1,4.0,3.0,2.1,2.0,1.1, 1.0 Does NOT support: CA3.0,CA2.0,UK3.0,UK2.0
QBFC10	10.0,9.0,8.0,7.0,6.0,5.0,4.1,4.0,3.0,2.1,2.0,1.1, 1.0 Does NOT support: CA3.0,CA2.0,UK3.0,UK2.0
QBFC8	8.0,7.0,6.0,5.0,4.1,4.0,3.0,2.1,2.0,1.1,1.0 Does NOT support: CA3.0, CA2.0, UK3.0, UK2.0
QBFC7	7.0, 6.0, 5.0, 4.1, 4.0, 3.0, 2.1, 2.0, 1.1, 1.0 Does NOT support: CA3.0, CA2.0, UK3.0, UK2.0
QBFC6	6.0, 5.0, 4.1, 4.0, 3.0, 2.1, 2.0, 1.1, 1.0 Does NOT support: CA3.0, CA2.0, UK3.0, UK2.0
QBFC5 (including support for Canadian Editions of QuickBooks)	5.0, 4.1, 4.0, 3.0, 2.1, 2.0, 1.1, 1.0, CA3.0, CA2.0, UK3.0, UK2.0
QBFC4 (including support for Canadian Editions of QuickBooks)	4.0, 3.0, 2.1, 2.0, 1.1, 1.0, CA3.0, CA2.0
QBFC3 (including support for Canadian Editions of QuickBooks)	3.0, 2.1, 2.0, 1.1, 1.0
QBFC2_1	2.1, 2.0, 1.1, 1.0
QBFC2	2.0, 1.1, 1.0
QBFC2CA	CA2.0
QBFC	1.1, 1.0

If You Have Questions . . .

For IDG and community support, please visit <https://help.developer.intuit.com/s/>.